

Report of Analysis

Client:	PSEG	Date Collected:	
Project:	Harrison Gas	Date Received:	
Client Sample ID:	PB168930BS	SDG No.:	Q2635
Lab Sample ID:	PB168930BS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.01	Units:	g
Soil Aliquot Vol:			uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
07/21/25 09:00	07/21/25 14:02	PB168930

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	20.4		1	1.18	2.00	mg/kg	FE054938.D
Aliphatic C9-C28	Aliphatic C9-C28	57.3		1	0.91	4.00	mg/kg	FE054938.D
Total AliphaticEPH	Total AliphaticEPH	77.7			2.09	6.00	mg/kg	
Total EPH	Total EPH	77.7			2.09	6.00	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE054938.D	1	07/21/25	07/21/25	PB168930

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	57.3		0.91	4.00	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	20.4		1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	37.9		40 - 140	76%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	37.7		40 - 140	75%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB168930BS	Acq On:	21 Jul 2025 14:02
Client Sample ID:	PB168930BS	Operator:	YP\AJ
Data file:	FE054938.D	Misc:	
Instrument:	FID_E	ALS Vial:	12
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.330	6.963	20904280	153.646	300	ug/ml
Aliphatic C12-C16	6.964	10.415	28464752	202.498	200	ug/ml
Aliphatic C16-C21	10.416	13.793	32477387	224.923	300	ug/ml
Aliphatic C21-C28	13.794	17.463	40341431	278.887	400	ug/ml
Aliphatic C28-C40	17.464	22.490	42456212	306.217	600	ug/ml
Aliphatic EPH	3.330	22.490	164644062	1170		ug/ml
ortho-Terphenyl (SURR)	12.092	12.092	6123134	37.71		ug/ml
1-chlorooctadecane (SURR)	13.527	13.527	4791142	37.94		ug/ml
Aliphatic C9-C28	3.330	17.463	122187850	859.954	1200	ug/ml